WHAT IS CLAIMED IS:

| 1 | 1. A method for processing search results generated based | | | | | | | |
|----|---|--|--|--|--|--|--|--|
| 2 | on a query, the method comprising: | | | | | | | |
| 3 | a) accepting the search results; | | | | | | | |
| 4 | b) accepting information derived from the query; | | | | | | | |
| 5 | c) generating a set of final search results from the | | | | | | | |
| 6 | accepted search results based on the accepted | | | | | | | |
| 7 | information. | | | | | | | |
| | | | | | | | | |
| 1 | 2. The method of claim 1 wherein the act of generating a | | | | | | | |
| 2 | set of final search results includes | | | | | | | |
| 3 | i) determining whether or not a candidate search | | | | | | | |
| 4 | result is similar to a search result already in | | | | | | | |
| 5 | the set of final search results; and | | | | | | | |
| 6 | ii) if it is determined that the candidate | | | | | | | |
| 7 | search result is similar to a search result | | | | | | | |
| 8 | already in the set of final search results, then | | | | | | | |
| 9 | not adding the candidate search result to the set | | | | | | | |
| 10 | of final search results. | | | | | | | |
| | | | | | | | | |
| 1 | 3. The method of claim 2 wherein the act of determining | | | | | | | |
| 2 | whether or not a candidate search result is similar to a | | | | | | | |
| 3 | search result already in the set of final search results | | | | | | | |
| 4 | includes | | | | | | | |
| 5 | A) extracting at least a part of the | | | | | | | |
| 6 | candidate search result that is relevant to | | | | | | | |
| 7 | the information derived from the query, | | | | | | | |
| 8 | thereby generating first query-relevant | | | | | | | |
| 9 | information; | | | | | | | |

| 10 | B) extracting at least a part of the search |
|----|--|
| 11 | result already in the set of final search |
| 12 | results that is relevant to the information |
| 13 | derived from the query, thereby generating |
| 14 | second query-relevant information; and |
| 15 | C) determining whether or not the first |
| 16 | query-relevant information is similar to the |
| 17 | second query-relevant information, |
| 18 | wherein, if the first query-relevant information |
| 19 | is determined to be similar to the second query-relevant |
| 20 | information, then determining the candidate search result |
| 21 | to be similar to the search result already in the set of |
| 22 | final search results, and |
| 23 | wherein, if the first query-relevant information |
| 24 | is determined not to be similar to the second |
| 25 | query-relevant information, then determining the candidate |
| 26 | search result not to be similar to the search result |
| 27 | already in the set of final search results. |
| | |
| 1 | 4. The method of claim 3 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the candidate search result that is relevant to the |
| 5 | information derived from the query, thereby generating |
| 6 | first query-relevant information includes: |
| 7 | 1) defining a window as a first |
| 8 | predetermined number of characters; |
| 9 | 2) applying the window to various |
| 10 | parts of a document corresponding to |
| 11 | the candidate search result; |

| 12 | 3) for each of the various parts of |
|-----|--|
| 13 | the document to which a window is |
| 14 | applied, |
| 15 | - determining the number of |
| 16 | keywords in the current part of |
| .17 | the document to determine a hit |
| 18 | count; |
| 19 | 4) ranking the various parts of the |
| 20 | document to which a window is applied |
| 21 | based on its associated hit count; and |
| 22 | 5) taking a second predetermined |
| 23 | number of the highest ranking various |
| 24 | parts of the document to define at |
| 25 | least a part of the first |
| 26 | query-relevant information. |
| | |
| 1 | 5. The method of claim 3 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the candidate search result that is relevant to the |
| 5 | information derived from the query, thereby generating |
| 6 | first query-relevant information includes: |
| 7 | 1) segmenting a document corresponding |
| 8 | to the candidate search result to |
| 9 | define a plurality of segments; |
| 10 | 2) for each of the segments, |
| 11 | determining whether or not the segment |
| 12 | includes at least one of the query |
| 3 | keywords; and |
| 4 | 3) for each of the segments, if it was |
| .5 | determined that the segment includes at |
| 6 | least one of the query keywords, then |

| 1/ | adding the segment to the first |
|----|--|
| 18 | query-relevant information. |
| | |
| 1 | 6. The method of claim 5 wherein the act of segmenting a |
| 2 | document corresponding to the candidate search result to |
| 3 | define a plurality of segments, segments the document into |
| 4 | sentences. |
| | |
| 1 | 7. The method of claim 5 wherein the act of segmenting a |
| 2 | document corresponding to the candidate search result to |
| 3 | define a plurality of segments, segments the document into |
| 4 | paragraphs. |
| | |
| 1 | 8. The method of claim 3 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the candidate search result that is relevant to the |
| 5 | information derived from the query, thereby generating |
| 6 | first query-relevant information includes: |
| 7 | 1) segmenting a document corresponding |
| 8 | to the candidate search result to |
| 9 | define a plurality of segments; |
| 10 | for each of the segments, |
| 11 | determining whether or not the segment |
| 12 | includes at least a predetermined |
| 13 | number of the query keywords; and |
| 14 | 3) for each of the segments, if it was |
| 15 | determined that the segment includes at |
| 16 | least the predetermined number of the |
| 17 | query keywords, then adding the segment |
| 18 | to the first query-relevant |
| 19 | information. |

| 1 | 9. The method of claim 8 wherein the act of segmenting a | | | | | |
|----|--|--|--|--|--|--|
| 2 | document corresponding to the candidate search result to | | | | | |
| 3 | define a plurality of segments, segments the document into | | | | | |
| 4 | sentences. | | | | | |
| | | | | | | |
| 1 | 10. The method of claim 8 wherein the act of segmenting a | | | | | |
| 2 | document corresponding to the candidate search result to | | | | | |
| 3 | define a plurality of segments, segments the document into | | | | | |
| 4 | paragraphs. | | | | | |
| | | | | | | |
| 1 | 11. The method of claim 3 wherein the information derived | | | | | |
| 2 | from the query includes query keywords, and | | | | | |
| 3 | wherein the act of extracting at least a part of | | | | | |
| 4 | the candidate search result that is relevant to the | | | | | |
| 5 | information derived from the query, thereby generating | | | | | |
| 6 | first query-relevant information includes: | | | | | |
| 7 | 1) segmenting a document corresponding | | | | | |
| 8 | to the search result to define a | | | | | |
| 9 | plurality of segments; | | | | | |
| 10 | 2) for each of the segments, | | | | | |
| 11 | determining whether or not the segment | | | | | |
| 12 | includes at a predetermined number of | | | | | |
| 13 | different ones of the query keywords; | | | | | |
| 14 | and | | | | | |
| 15 | 3) for each of the segments, if it was | | | | | |
| 16 | determined that the segment includes at | | | | | |
| 17 | least the predetermined number of | | | | | |
| 18 | different ones of the query keywords, | | | | | |
| 19 | then adding the segment to the first | | | | | |
| 20 | query-relevant information. | | | | | |

| l 12. | The | method | οf | claim | 11 | wherein | the | act | οf | segmenting | а |
|-------|-----|--------|----|-------|----|---------|-----|-----|----|------------|---|
|-------|-----|--------|----|-------|----|---------|-----|-----|----|------------|---|

- 2 document corresponding to the candidate search result to
- 3 define a plurality of segments, segments the document into
- 4 sentences.
- 1 13. The method of claim 11 wherein the act of segmenting a
- 2 document corresponding to the candidate search result to
- 3 define a plurality of segments, segments the document into
- 4 paragraphs.
- 1 14. The method of claim 1 wherein the act of generating a
- 2 set of final search results includes
- i) determining whether or not a candidate search
- 4 result is similar to a search result already in
- 5 the set of final search results; and
- 6 ii) adding the search results to the set of
- 7 final search results only if it is determined
- 8 that the candidate search result is not similar
- 9 to any search results already in the set of final
- search result.
- 1 15. The method of claim 14 wherein the act of determining
- 2 whether or not a candidate search result is similar to a
- 3 search result already in the set of final search results
- 4 includes
- 5 A) extracting at least a part of the
- 6 candidate search result that is relevant to
- 7 the information derived from the query,
- 8 thereby generating first query-relevant
- 9 information;
- 10 B) extracting at least a part of the search
- 11 result already in the set of final search

| 12 | results that is relevant to the information |
|----|--|
| 13 | derived from the query, thereby generating |
| 14 | second query-relevant information; and |
| 15 | C) determining whether or not the first |
| 16 | query-relevant information is similar to the |
| 17 | second query-relevant information, |
| 18 | wherein, if the first query-relevant information |
| 19 | is determined to be similar to the second query-relevant |
| 20 | information, then determining the candidate search result |
| 21 | to be similar to the search result already in the set of |
| 22 | final search results, and |
| 23 | wherein, if the first query-relevant information |
| 24 | is determined not to be similar to the second |
| 25 | query-relevant information, then determining the candidate |
| 26 | search result not to be similar to the search result |
| 27 | already in the set of final search results. |
| | |
| 1 | 16. The method of claim 15 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the candidate search result that is relevant to the |
| 5 | information derived from the query, thereby generating |
| 6 | first query-relevant information includes: |
| 7 | 1) defining a window as a first |
| 8 | predetermined number of characters; |
| 9 | 2) applying the window to various |
| 10 | parts of a document corresponding to |
| 1 | the candidate search result; |
| 12 | 3) for each of the various parts of |
| 3 | the document to which a window is |
| .4 | applied, |

| 15 | - determining the number of |
|----|--|
| 16 | keywords in the current part of |
| 17 | the document to determine a hit |
| 18 | count; |
| 19 | 4) ranking the various parts of the |
| 20 | document to which a window is applied |
| 21 | based on its associated hit count; and |
| 22 | 5) taking a second predetermined |
| 23 | number of the highest ranking various |
| 24 | parts of the document to define at |
| 25 | least a part of the first |
| 26 | query-relevant information. |
| | |
| 1 | 17. The method of claim 15 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the candidate search result that is relevant to the |
| 5 | information derived from the query, thereby generating |
| 6 | first query-relevant information includes: |
| 7 | 1) segmenting a document corresponding |
| 8 | to the search result to define a |
| 9 | plurality of segments; |
| 10 | 2) for each of the segments, |
| 11 | determining whether or not the segment |
| 12 | includes at least one of the query |
| 13 | keywords; and |
| 14 | 3) for each of the segments, if it was |
| 15 | determined that the segment includes at |
| 16 | least one of the query keywords, then |
| 17 | adding the segment to the first |
| 18 | query-relevant information. |

1 18. The method of claim 17 wherein the act of segmenting a 2 document corresponding to the candidate search result to

define a plurality of segments, segments the document into

4 sentences.

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- 1 19. The method of claim 17 wherein the act of segmenting a
- 2 document corresponding to the candidate search result to
- 3 define a plurality of segments, segments the document into
- 4 paragraphs.
- 1 20. The method of claim 15 wherein the information derived
- 2 from the query includes query keywords, and
- 3 wherein the act of extracting at least a part of
- 4 the candidate search result that is relevant to the
- 5 information derived from the query, thereby generating
- 6 first query-relevant information includes:
- 7 segmenting a document corresponding
- 8 to the candidate search result to
- 9 define a plurality of segments;
- 10 2) for each of the segments,
- 11 determining whether or not the segment
- includes at a predetermined number of
- the query keywords; and
- 14 3) for each of the segments, if it was
- determined that the segment includes at
- least the predetermined number of the
- 17 query keywords, then adding the segment
- 18 to the first query-relevant
- information.
- 1 21. The method of claim 20 wherein the act of segmenting a
- 2 document corresponding to the candidate search result to

- 3 define a plurality of segments, segments the document into
- 4 sentences.
- 1 22. The method of claim 20 wherein the act of segmenting a
- 2 document corresponding to the candidate search result to
- 3 define a plurality of segments, segments the document into
- 4 paragraphs.
- 1 23. The method of claim 15 wherein the information derived
- 2 from the query includes query keywords, and
- 3 wherein the act of extracting at least a part of
- 4 the candidate search result that is relevant to the
- 5 information derived from the query, thereby generating
- 6 first query-relevant information includes:
- 1) segmenting a document corresponding
- to the candidate search result to
- 9 define a plurality of segments;
- 10 2) for each of the segments,
- 11 determining whether or not the segment
- includes at a predetermined number of
- different ones of the query keywords;
- 14 and
- 15 3) for each of the segments, if it was
- determined that the segment includes at
- 17 least the predetermined number of
- 18 different ones of the query keywords,
- 19 then adding the segment to the first
- 20 query-relevant information.
- 1 24. The method of claim 23 wherein the act of segmenting a
- 2 document corresponding to the candidate search result to

- 3 define a plurality of segments, segments the document into
- 4 sentences.
- 1 25. The method of claim 23 wherein the act of segmenting a
- 2 document corresponding to the candidate search result to
- 3 define a plurality of segments, segments the document into
- 4 paragraphs.
- 1 26. A method for determining whether or not a first
- 2 document corresponding to a first search result is similar
- 3 to a second document corresponding to a second search
- 4 result, the method comprising:
- a) accepting a query that generated the first and
- 6 second search results;
- 7 b) extracting at least a part of the first document
- 8 that is relevant to the information derived from the
- guery, thereby generating first guery-relevant
- 10 information;
- 11 c) extracting at least a part of the second document
- 12 that is relevant to the information derived from the
- 13 query, thereby generating second query-relevant
- information; and
- d) determining whether or not the first
- 16 query-relevant information is similar to the second
- 17 query-relevant information,
- 18 wherein, if the first query-relevant information
- 19 is determined to be similar to the second query-relevant
- 20 information, then determining the first document to be
- 21 similar to the second document, and
- 22 wherein, if the first query-relevant information
- 23 is determined not to be similar to the second

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| 25 | document not to be similar to the second document. |
|----|--|
| | |
| 1 | 27. The method of claim 26 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the first document that is relevant to the information |
| 5 | derived from the query, thereby generating first |
| 6 | query-relevant information includes: |
| 7 | 1) defining a window as a first |
| 8 | predetermined number of characters; |
| 9 | 2) applying the window to various |
| 10 | parts of the first document; |
| 11 | 3) for each of the various parts of |
| 12 | the first document to which a window is |
| 13 | applied, |
| 14 | - determining the number of |
| 15 | keywords in the current part of |
| 16 | the first document to determine a |
| 17 | hit count; |
| 18 | 4) ranking the various parts of the |
| 19 | first document to which a window is |
| 20 | applied based on its associated hit |
| 21 | count; and |
| 22 | 5) taking a second predetermined |
| 23 | number of the highest ranking various |
| 24 | parts of the first document to define |
| 25 | at least a part of the first |
| 26 | query-relevant information. |

query-relevant information, then determining the first

- 1 28. The method of claim 26 wherein the information derived
- 2 from the query includes query keywords, and

| 3 | wherein the act of extracting at least a part of |
|----|--|
| 4 | the first documents that is relevant to the information |
| 5 | derived from the query, thereby generating first |
| 6 | query-relevant information includes: |
| 7 | 1) segmenting the first document to |
| 8 | define a plurality of segments; |
| 9 | 2) for each of the segments, |
| 10 | determining whether or not the segment |
| 11 | includes at least one of the query |
| 12 | keywords; and |
| 13 | 3) for each of the segments, if it was |
| 14 | determined that the segment includes at |
| 15 | least one of the query keywords, then |
| 16 | adding the segment to the first |
| 17 | query-relevant information. |
| | |
| 1 | 29. The method of claim 28 wherein the act of segmenting |
| 2 | the first document to define a plurality of segments, |
| 3 | segments the first document into sentences. |
| | |
| 1 | 30. The method of claim 28 wherein the act of segmenting |
| 2 | the first document to define a plurality of segments, |
| 3 | segments the first document into paragraphs. |
| | |
| 1 | 31. The method of claim 26 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the first document that is relevant to the information |
| 5 | derived from the query, thereby generating first |
| 6 | query-relevant information includes: |
| 7 | 1) segmenting the first document to |
| 8 | define a plurality of segments; |

| 9 | for each of the segments, |
|----|--|
| 10 | determining whether or not the segment |
| 11 | includes at a predetermined number of |
| 12 | the query keywords; and |
| 13 | 3) for each of the segments, if it was |
| 14 | determined that the segment includes at |
| 15 | least the predetermined number of the |
| 16 | query keywords, then adding the segment |
| 17 | to the first query-relevant |
| 18 | information. |
| | |
| 1 | 32. The method of claim 31 wherein the act of segmenting |
| 2 | the first document to define a plurality of segments, |
| 3 | segments the first document into sentences. |
| | |
| 1 | 33. The method of claim 31 wherein the act of segmenting |
| 2 | the first document to define a plurality of segments, |
| 3 | segments the first document into paragraphs. |
| | |
| 1 | 34. The method of claim 26 wherein the information derived |
| 2 | from the query includes query keywords, and |
| 3 | wherein the act of extracting at least a part of |
| 4 | the first document that is relevant to the information |
| 5 | derived from the query, thereby generating first |
| 6 | query-relevant information includes: |
| 7 | 1) segmenting the first document to |
| 8 | define a plurality of segments; |
| 9 | 2) for each of the segments, |
| 10 | determining whether or not the segment |
| 1 | includes at a predetermined number of |
| .2 | different ones of the query keywords; |
| .3 | and |

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| 14 | 3) for each of the segments, if it was |
|----|--|
| 15 | determined that the segment includes at |
| 16 | least the predetermined number of |
| 17 | different ones of the query keywords, |
| 18 | then adding the segment to the first |
| 19 | query-relevant information. |
| | |
| 1 | 35. The method of claim 34 wherein the act of segmenting |
| 2 | the first document to define a plurality of segments, |
| 3 | segments the document into sentences. |
| | |
| 1 | 36. The method of claim 34 wherein the act of segmenting |
| 2 | the first document to define a plurality of segments, |
| 3 | segments the document into paragraphs. |
| | |
| 1 | 37. A machine-readable medium including machine executable |
| 2 | instructions which, when executed by a machine, processes |
| 3 | search results generated based on a query by: |
| 4 | a) accepting the search results; |
| 5 | b) accepting information derived from the query; |
| 6 | c) generating a set of final search results from the |
| 7 | accepted search results based on the accepted |
| 8 | information. |
| | |
| 1 | 38. The machine-readable medium of claim 37 including |
| 2 | further machine executable instructions which, when |
| 3 | executed by a machine, generate the set of final search |
| 4 | results by |
| 5 | i) determining whether or not a candidate search |
| 6 | result is similar to a search result already in |

the set of final search results; and

| 8 | ii) adding the candidate search result to the |
|----|--|
| 9 | set of final search results only if it is |
| 10 | determined that the candidate search result is |
| 11 | not similar to any search results already in the |
| 12 | set of final search result. |
| | |
| 1 | 39. The machine-readable medium of claim 38 including |
| 2 | further machine executable instructions which, when |
| 3 | executed by a machine determine whether or not a search |
| 4 | result is similar to a search result already in the set of |
| 5 | final search results by |
| 6 | A) extracting at least a part of the search |
| 7 | result that is relevant to the information |
| 8 | derived from the query, thereby generating |
| 9 | first query-relevant information; |
| 10 | B) extracting at least a part of the search |
| 11 | result already in the set of final search |
| 12 | results that is relevant to the information |
| 13 | derived from the query, thereby generating |
| 14 | second query-relevant information; and |
| 15 | C) determining whether or not the first |
| 16 | query-relevant information is similar to the |
| 17 | second query-relevant information, |
| 18 | wherein, if the first query-relevant information |
| 19 | is determined to be similar to the second query-relevant |
| 20 | information, then determining the search results to be |
| 21 | similar to the search result already in the set of final |
| 22 | search results, and |
| 23 | wherein, if the first query-relevant information |
| 24 | is determined not to be similar to the second |
| 25 | query-relevant information, then determining the search |

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| 26 | results not to be similar to the search result already in |
|----|---|
| 27 | the set of final search results. |
| | |
| 1 | 40. An apparatus for processing search results generated |
| 2 | based on a query, the apparatus comprising: |
| 3 | a) a storage facility for storing the search results |
| 4 | and for storing information derived from the query; |
| 5 | and |
| 6 | b) a final results generator for generating a set of |
| 7 | final search results from the search results stored in |
| 8 | the storage facility based on the information stored |
| 9 | in the storage facility. |
| | |
| 1 | 41. The apparatus of claim 40 wherein the final set |
| 2 | generator includes |
| 3 | i) a similarity determination facility for |
| 4 | determining whether or not a search result is |
| 5 | similar to a search result already in the set of |
| 6 | final search results; and |
| 7 | ii) means for adding the search results to the |
| 8 | set of final search results only if the |
| 9 | similarity determination facility determines that |
| 10 | the search result is not similar to any search |
| 11 | results already in the set of final search |
| 12 | result. |
| | |
| 1 | 42. The method of claim 41 wherein the similarity |
| 2 | determination facility includes |
| 3 | A) a query-relevant extraction facility for |
| 4 | extracting at least a part of the search |
| 5 | result that is relevant to the information |

derived from the query, thereby generating

| 7 | first query-relevant information, and for |
|-----|---|
| 8 | extracting at least a part of the search |
| 9 | result already in the set of final search |
| 10 | results that is relevant to the information |
| 11 | derived from the query, thereby generating |
| 12 | second query-relevant information; and |
| 13 | B) a query-relevant similarity |
| 14 | determination facility for determining |
| 15 | whether or not the first query-relevant |
| 16 | information is similar to the second |
| 17 | query-relevant information, |
| 18 | wherein, if the query-relevant similarity |
| 19 | determination facility determines that the first |
| 20 | query-relevant information is similar to the second |
| 21 | query-relevant information, then the similarity |
| 22 | determination facility determines the search result to be |
| 23 | similar to the search result already in the set of final |
| 24 | search results, and |
| 25 | wherein, if the query-relevant similarity |
| 26 | determination facility determines that the first |
| 27 | query-relevant information is not similar to the second |
| 28 | query-relevant information, then the similarity |
| 29 | determination facility determines the search result not to |
| 30. | be similar to the search result already in the set of final |
| 31 | search results. |
| | |
| | |

- 1 43. A storage facility including at least one
- 2 machine-readable medium storing information comprising:
- 3 a) ranked query results;
- 4 b) query-relevant parts of documents corresponding to
- 5 the ranked query results; and
- 6 c) a final set of query results,

- 7 wherein the final set of query results is a
- 8 sub-set of the ranked query results, and
- 9 wherein the final set of query results does not
- 10 include any two query results corresponding to documents
- 11 that have similar query-relevant parts.
- 1 44. The storage facility of claim 43, the stored
- 2 information further comprising:
- d) documents corresponding to the ranked query
- 4 results.
- 1 45. A method for processing search results generated based
- 2 on a query, the method comprising:
- 3 a) accepting the search results;
- 4 b) accepting information derived from the query;
- 5 c) accepting documents associated with the search
- 6 results;
- 7 d) extracting portions of the documents associated
- 8 with the search results based on the information
- 9 derived from the query to generate query-relevant
- information for each of the documents; and
- e) generating a set of final search results from the
- 12 accepted search results based on the query-relevant
- information.